

PRE-ATTACK WILDLAND FIRE SITUATION ANALYSIS

Pacific West Region

Whiskeytown National Recreation Area

Fire Name: Whiskeytown Pre-Attack WFSA

Narrative: This is information to be used as a pre-attack wildland fire situation analysis to provide guidelines to the Agency Administrator/Agency Advisor for development of a joint WFSA with the California Department of Forestry and Fire Control under Unified Command Situations.

EVALUATION CRITERIA

For each category, develop the line officer's decisions on specific objectives, expressed as measurable criteria, to be used in the selection of the preferred alternatives		
CRITERIA: (check those criteria which MUST be met)		MUST
Economic:	Impoundment (Reservoir) Water Quality	X
	Power Line Integrity - Utilities	X
	Shasta Bally Complex	X
	Concessionaire Facilities	X
	Road and Trail Network	
	Government Facilities	X
Environmental:	Watershed influences	
	Threatened and Endangered Species	X
	Soil Protection	
	Overstory (Oak - Pine) Protection	
	Wildlife Habitat	
Social:	Airshed Quality	
	Lakeshore Aesthetics	
	Hunting, Fishing Habitat	
	NEED Environmental Camp	X
	In-Holder Developments	X
	Crystal Creek CDC Conservation Camp	X
	General Outdoor Recreation	
Other:	Archeological and Cultural Resources	X
	Tower House Historic District	X
	Mine Shafts	
	Mining Claims	
	Neighboring Lands	

ALTERNATIVES

	A	B	C	D
GENERAL PLAN OF CONTROL (STRATEGIC)	<u>Full Fire Control</u> 10 a.m. Control of all fires (1st burning period)	Contain within first topographical break, within 2nd burning period. Fire management using modified suppression	Contain within major topographical break within 3rd burning period. Fire management using modified suppression	Contain to Whiskeytown lands. Fire management using modified suppression
SPECIFIC PLAN OF CONTROL (TACTICAL)	Direct Attack of Perimeter	Direct/Indirect Attack of Perimeter	Indirect Attack of Perimeter	Indirect Attack of Perimeter
PROBABILITY OF SUCCESS	97%	90%	75%	50%
ESTIMATED CONTROL TIME	<12 hrs	24 hrs	48 hrs	>48 hrs

EFFECTS

	Plus+ or Minus-		Alternatives	
	A	B	C	D
<u>SIZE</u> (Predicted final size in acres)	10	100	1,000	10,000
<u>MARKET ELEMENTS</u>				
Timber	N/C	+	-	---
Improvements	-	--	---	---
Recreation	N/C	++	++	---
Wilderness	N/C	N/A	N/A	N/A
Wildlife	+	+	+++	++++
Fish	N/C	-	---	---
Water	N/C	-	---	---
Forage	N/A	N/A	N/A	N/A
SUM OF NET VALUE CHANGE	\$0	\$0	\$-5	\$-11
<u>NON-MARKET ELEMENTS</u>				
Air	-	--	---	---
Visual	N/C	N/C	-	--
Fuels	N/C	+	++	++
Threatened & Endangered Species	N/C	-	-	-
SUM OF NET VALUE CHANGE	\$-1	\$-2	\$-3	\$-4
<u>SOCIAL ELEMENTS</u>				
Firefighter Safety	-	--	--	--
Employment	N/C	N/C	N/C	+1
Public Concern	+++	+	-	---
Public Safety	+++	+	-	---
Cultural	+++	+	-	---
Other	+	+	-	-
SUM OF NET	\$+9	\$+2	\$-6	\$-11

WILDLAND FIRE MANAGEMENT
REFERENCE MANUAL - 18
Wildland Fire Use and Suppression

Chapter 9
Exhibit 1
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VALUE CHANGE				
SUPPRESSION COSTS	\$2,000/acre	\$1,000/acre	\$225/acre	\$225/acre
COST PLUS NET VALUE CHANGE	\$N/A	\$N/A	\$N/A	\$N/A

EVALUATION

Each alternative is evaluated against the same criteria developed in Section II
Review of all pertinent data previously developed which rate to the criteria

ALTERNATIVE

CRITERIA	A	B	C	D
ECONOMIC	(2) Small impact All out suppression effort. Minimum to structures and developments.	(1) Favorable for wildlife and hunting management. Better access for outdoor recreation. Likely to power facilities, and/or threaten structures. Possible litigation for escapes.	(1) Advantages in wildlife and hunting offset by forest and watershed damages. Direct threats to power facilities, structures, and human values. Improved access for general recreation. Possible litigation for escapes.	
ENVIRONMENT AL	(1) Little direct impact from fire. Full rehabilitation required.	(1) Airshed impacted for short time. Some soil loss. Mosaic effect to fire/unburned islands. Fuel reduction. Potential impact to eagle nests. Full rehabilitation required.	(1) Airshed impacts for two days. Some watershed damage. Fuel reduction of fire fuels, creates fires in large sizes including snags. Potential impact to eagle nests. Extensive rehabilitation required.	(0) Airshed impact for duration of incident considerable. Watershed damage. Fuel reduction fire fuels offset by increase in large fuels many snags. Potential impact to eagle nests. Conversion of

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				forest fire types to chaparral. Rehabilitation plan required for extensive works.
SOCIAL	(2) Formal contracts with contractors to be complied with. Public concerns satisfied. Cultural resources protected.	(2) Unified Command in ICS. Partial closure of NRA where affected, mine shafts in area. Bulldozers restricted.	(1) Unified Command in ICS. Resource advisor from NPS in plans. RM Rangers on line-division. Closure of NRA where affected. Cultural resource protected, mine shafts in area. Bulldozers restricted	
OTHER	(1)	(1) Press release at control.	(1) Public information function mobilized. Other agencies fully informed.	(1)

Key: 0 = Does not meet criteria
1 = Partially meets criteria
2 = Fully meets criteria

SELECTED ALTERNATIVE

Selected Alternative:

A then B then C then D

Justification: (document the rationale, criteria, value change, available resources, etc., for selection of this alternative)

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- ☐ Human values to risk from modified suppression actions.
 - ☐ Potential watershed damage from high intensity wildland fire.
 - ☐ Rehabilitation will be extensive on large fires.
 - ☐ Large-scale forest fire will convert to chaparral type.
 - ☐ Unified Command with CDF-BLM-NPS for management of the incident
 - ☐ Full suppression of wildland fire is the order.
 - ☐ Direct attack, going indirect when necessary for firefighter safety to contain fire at smallest possible size, in the quickest time.
 - ☐ Constraints are placed on bulldozers. They are permitted by request for specific assignments only.
 - ☐ Rehabilitation will be done as specified in Fire Management Plan, before personnel or equipment are released from fire.
 - ☐ Pre-attack guidelines in Fire Management Plan.
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Public information direction (for keeping public informed of situation) shall be developed as appropriate:

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- Refer to Fire Management Plan for specific direction.
 - Superintendent will designate Information Officer.
 - Cooperation with Redding Emergency Coordination Center for complex situations.
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